



Freight Advisory Committee Meeting

August 7, 2018

Agenda Items (with approximate times)

Time	Topic	Facilitator(s)
9:00	Welcome and Introductions	Bill Thompson, NDOT
9:10	Truck Parking Implementation Plan <ul style="list-style-type: none">• Project overview and progress to-date• Preliminary input from truck driver survey• Review locations where trucks are parking<ul style="list-style-type: none">◦ Discussion: ID additional locations• Discussion: What concerns do you have with truck parking in Nevada?	Dan Andersen, Cambridge Systematics
10:00	Vehicle Size and Weight Enforcement Study <ul style="list-style-type: none">• Project overview and progress to-date• Review and discuss opportunities to integrate truck parking with weigh/inspection stations	Michael Lawson, Atkins North America
10:20	Hazardous Commodity Flow Study <ul style="list-style-type: none">• Review study objectives, work program, and schedule	David Willauer, Cambridge Systematics
10:35	Open discussion <ul style="list-style-type: none">• Additional freight-related topics or questions,• Next Meetings	Bill Thompson, NDOT

Agenda



Truck Parking Implementation Plan



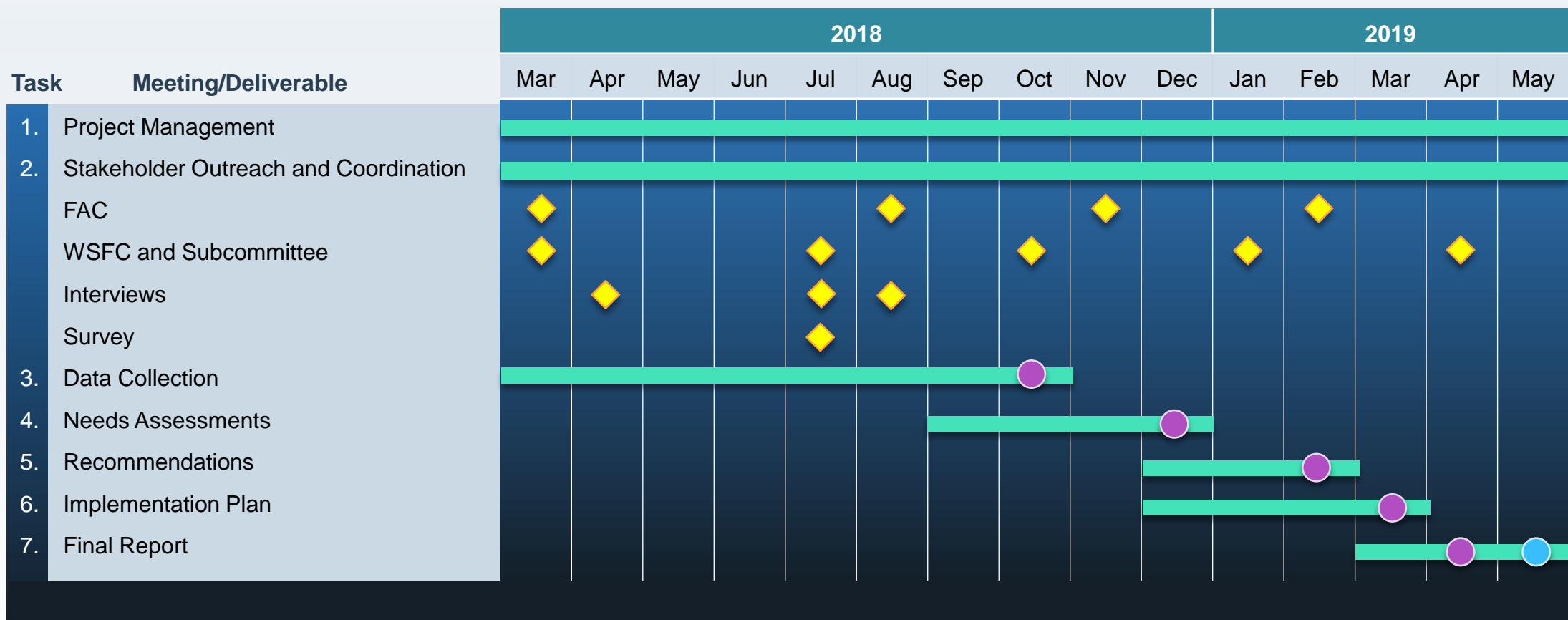
Project Objectives

Develop an implementation plan for expanding, improving and integrating freight truck parking and communications systems

- » Once complete, these improvements will provide adequate and safe public truck parking where it's most needed, full-service private truck facilities, and real-time truck parking availability information
- » Response to rising demand, changing hours of service requirements and safety standards defined in Jason's Law



Project Schedule



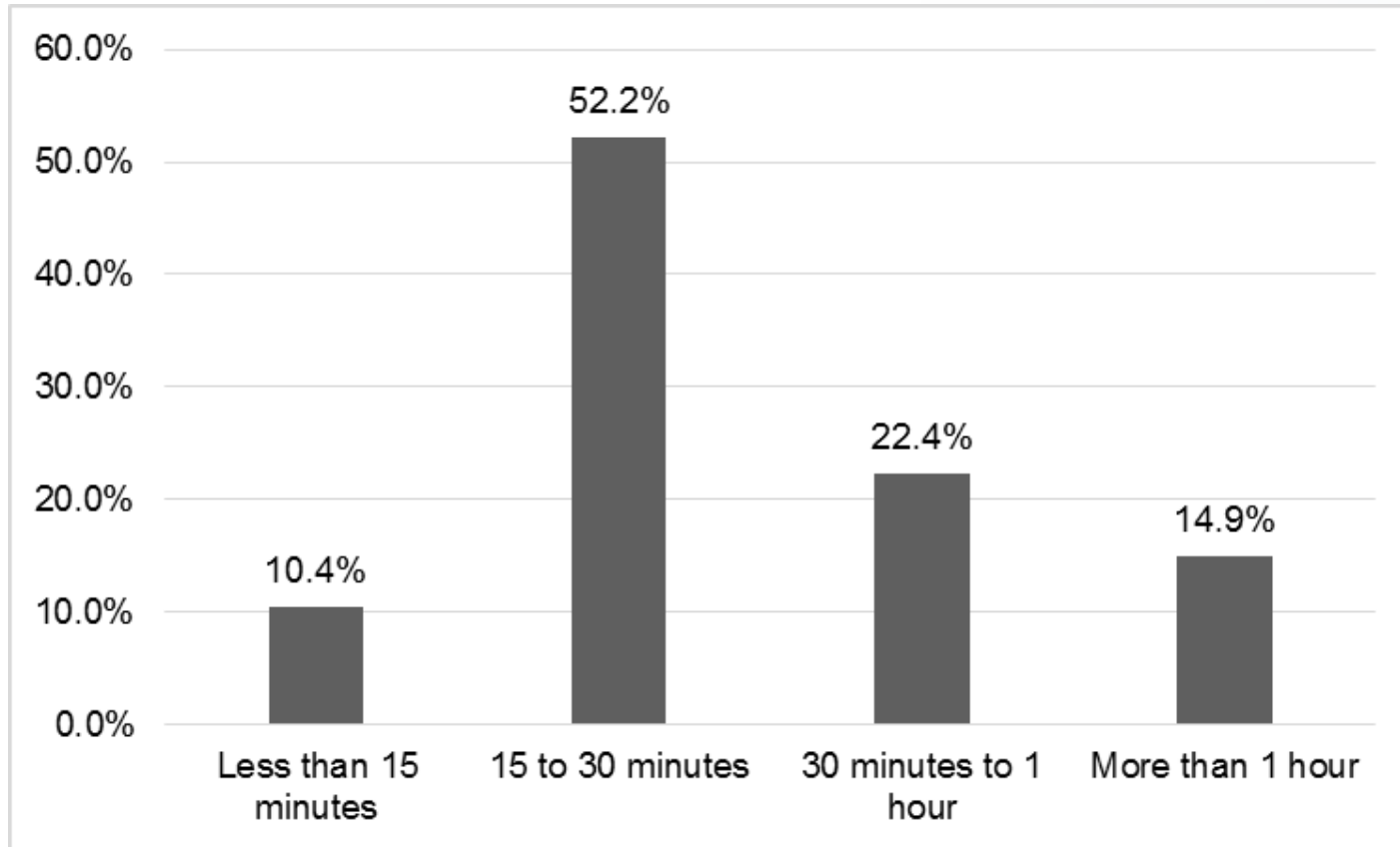
♦ Meetings
 ♦ Early Action Project
 ● Draft Deliverable
 ● Final Deliverable

Progress To-date

Outreach

- Nevada Freight Advisory Committee
 - » April 2, 2018
 - » August 7, 2018
- Western State Freight Coalition
 - » April 24, 2018
 - » July 17, 2018
- Stakeholder Interviews
 - » NDOT District Workshops
 - » Clark County
 - » City of North Las Vegas
 - » Nevada Trucking Association
 - » 10 Truck stops
- Trucker survey

Search Times



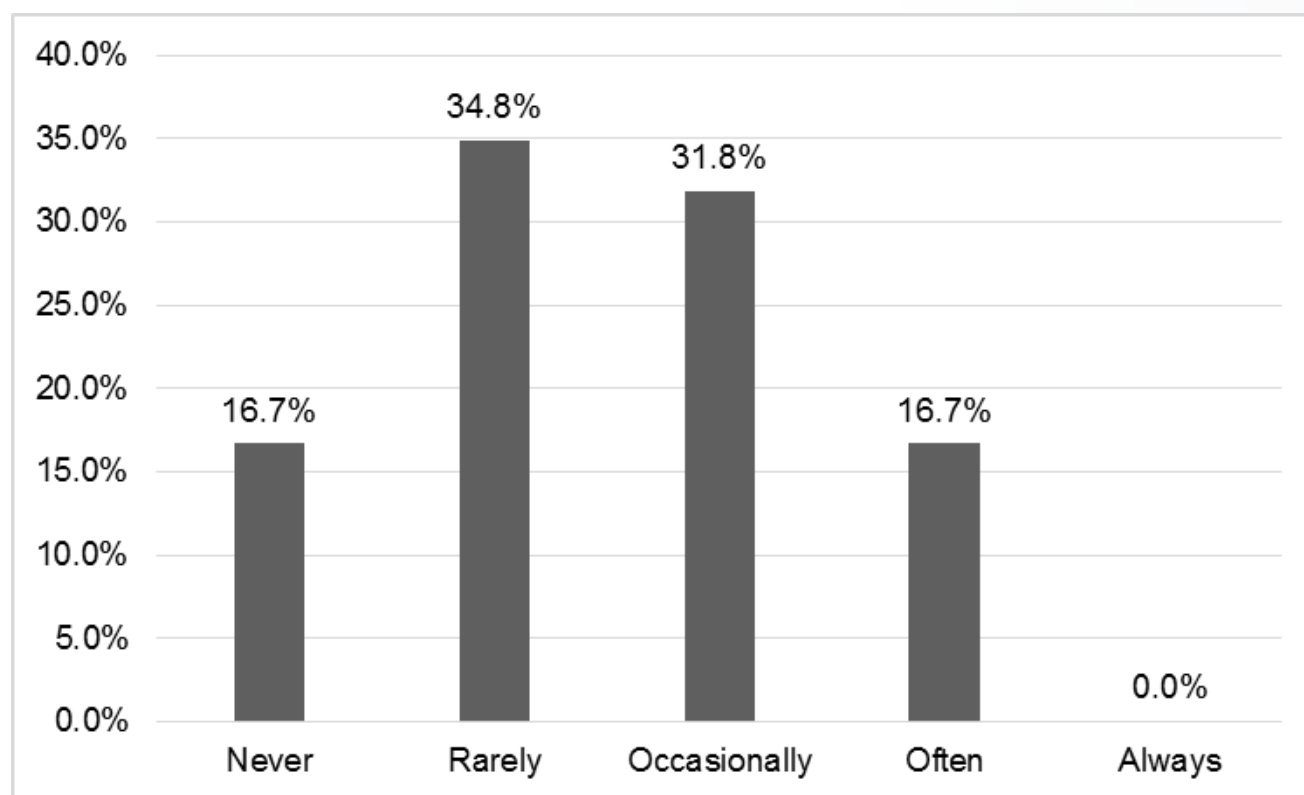
Difficulty Finding Parking by Corridor

	Corridor	Average Rank
Most Difficult	I-15	2.8
	I-80	3.8
	US 95	4.1
	US 93	4.6
Least Difficult	US 6	4.7

Preferred Solutions

Rank	Solution
1	New large private parking facilities with amenities spaced 50 - 100 miles apart
2	New large public parking facilities with minimal amenities spaced 50-100 miles apart
3	New parking strategically placed for urban staging purposes
4	Expanding existing private truck parking facilities
5	New small public parking facilities with minimal amenities spaced 10-20 miles apart
6	Better advance notification of parking availability
7	Expanding existing public rest area parking facilities

Frequency of Drivers Parking in Unauthorized Location



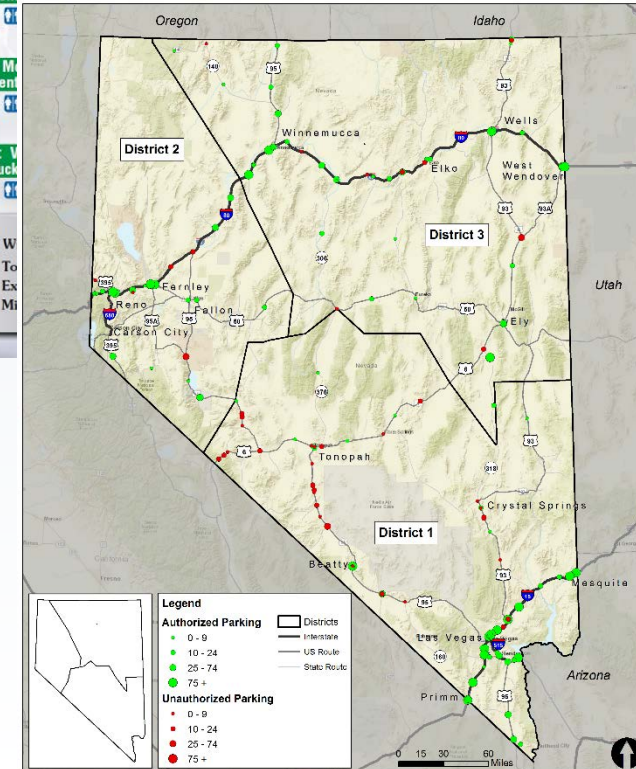
Why Drivers Park in Unauthorized Locations

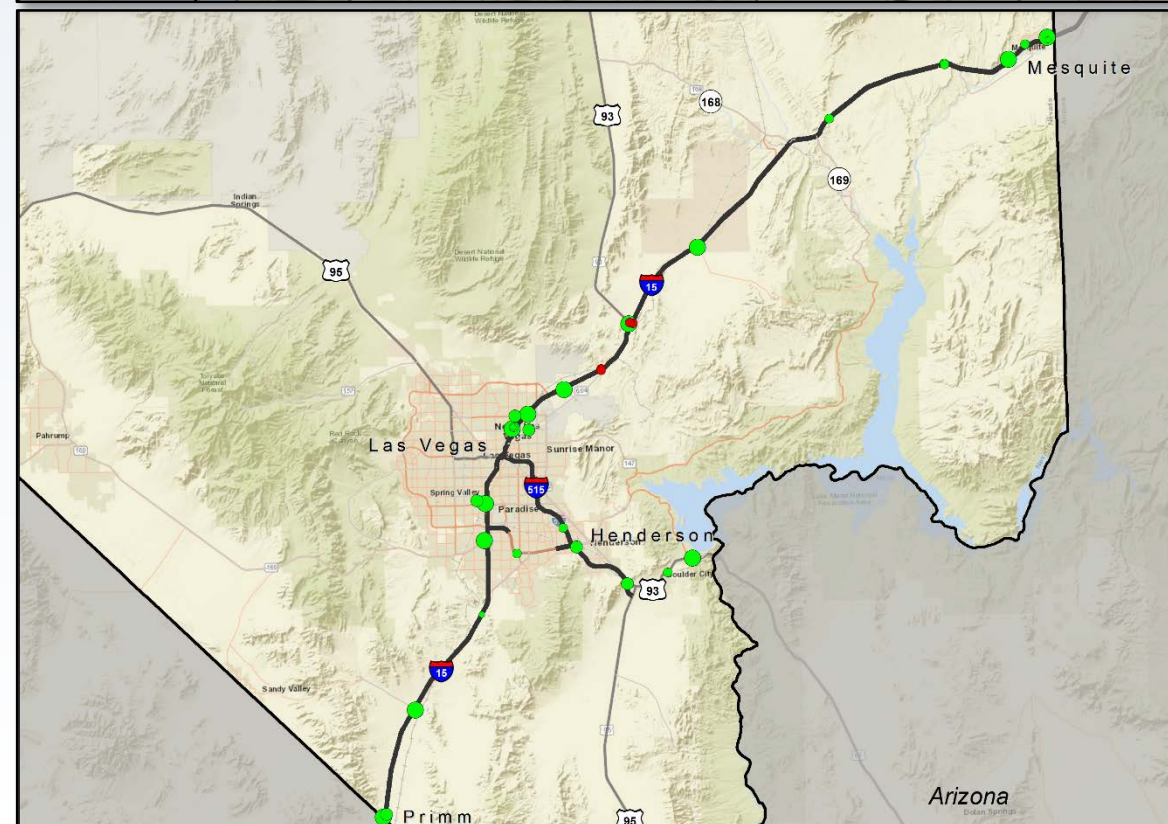
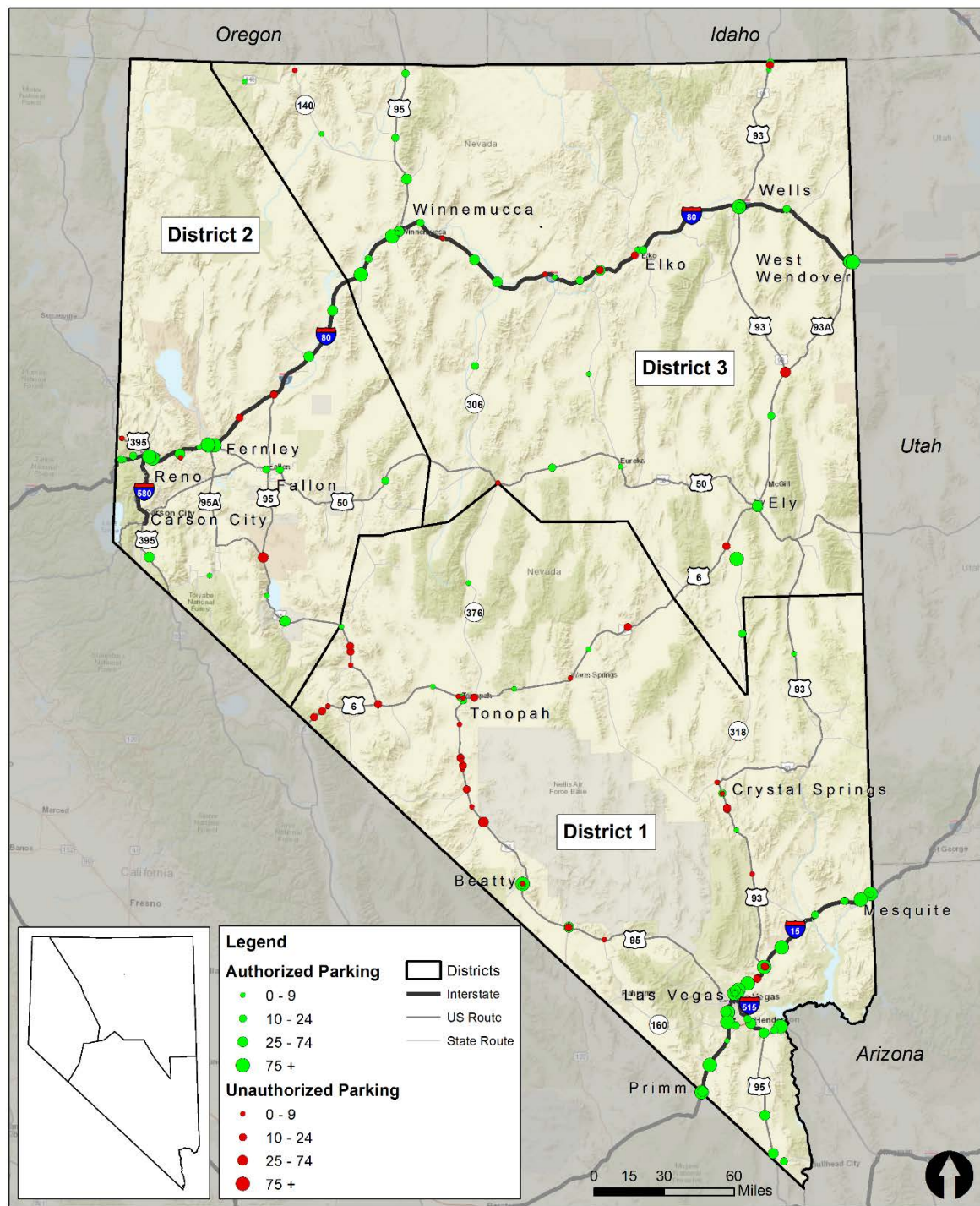
Reason	Percent
Out of available Hours of Service	57.4%
No parking facilities nearby	51.5%
No available parking (including paid reserved spaces) at nearby facilities	44.1%
No free parking at nearby facilities	32.4%
Waiting to make a scheduled delivery	17.6%
Other	4.4%

Progress To-date

Needs Assessment

- Truck parking demand
 - » Last-Mile
 - » Long-Distance
 - » Incident/Event
- Truck parking supply
 - » Authorized
 - » Unauthorized
- Identify gap between demand and supply – this becomes the backlog of potential projects



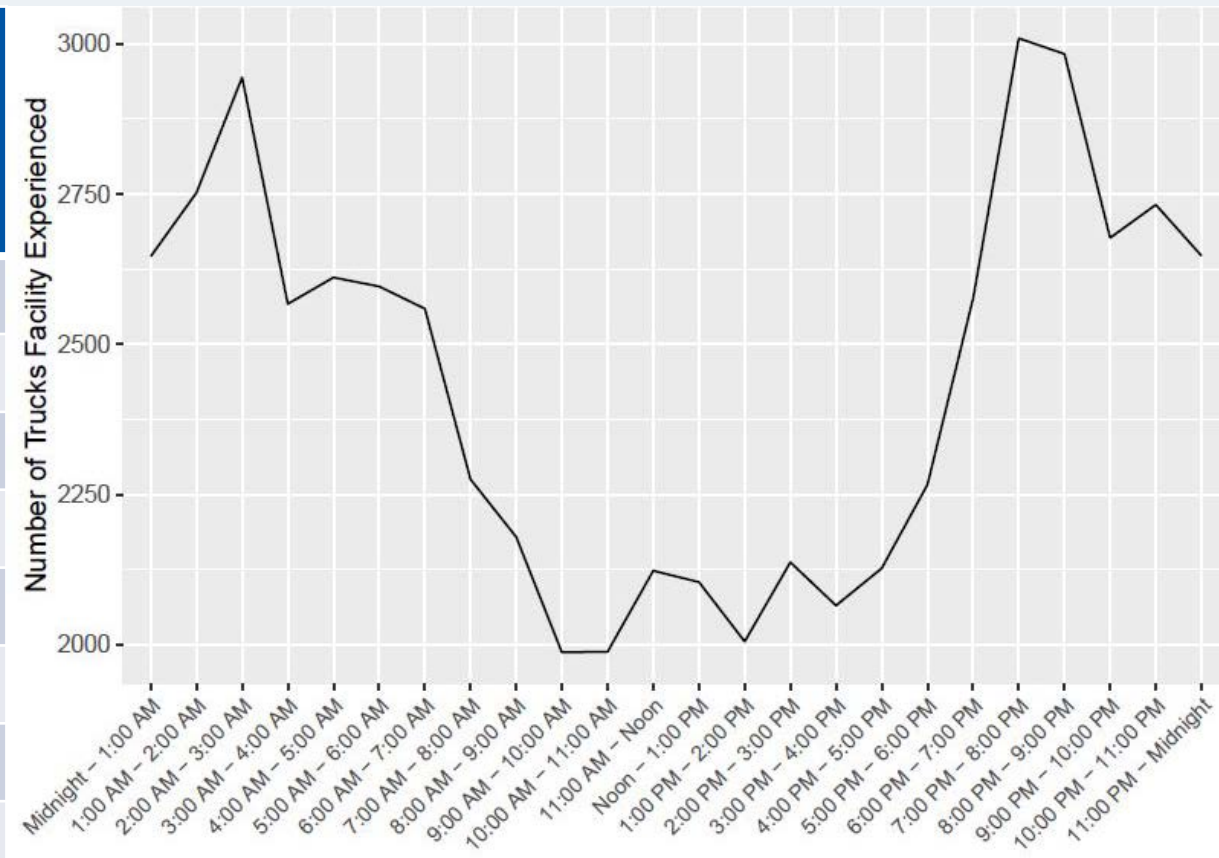


Project Tasks

Next Step

ATRI Probe Data Collection: North Carolina Example

Parking Rank	Parking Name	Average Time Stopped (hours)	Frequency (per 1000 trucks)
1	Pilot	13.03	58
2	Travel Centers of America	13.43	55
3	Petro Mebane	13.13	55
4	Metro Kenly	13.03	53
5	Pilot	12.09	50
6	Travel Centers of America	13.49	44
7	WilcoHess	12.90	35
8	Flying J	12.99	34
9	Candler Travel Center	12.37	29
10	Pilot	12.93	28



Project Tasks

Future Step

Recommendations

- Translate truck parking backlog into project concepts and recommendations:
 - » Add parking capacity
 - » Add parking amenities
 - » Information and communications
 - » Policy and funding/financing
- Prioritization process to identify top needs
- Planning-level price estimates



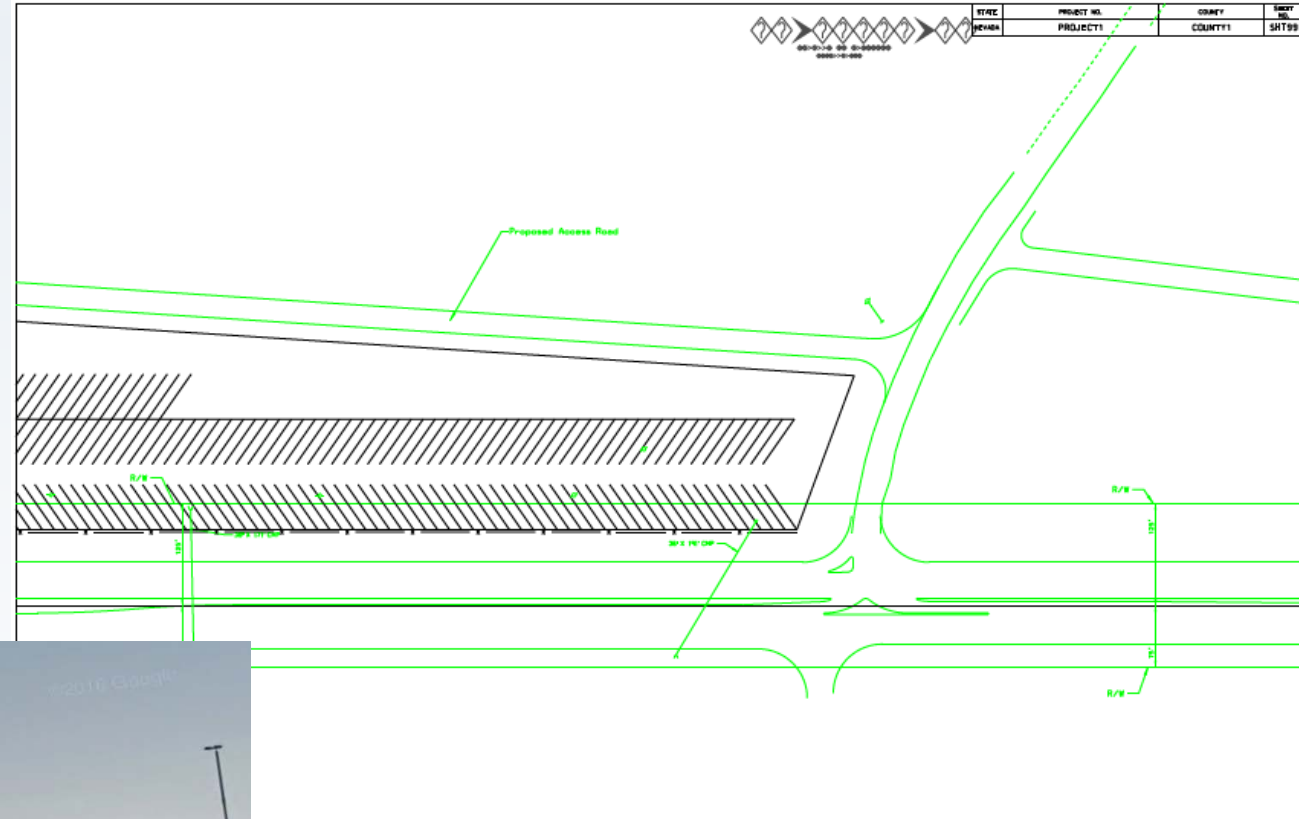
Source: <https://ops.fhwa.dot.gov/publications/fhwahop17026/index.htm>

Project Tasks

Future Step

Implementation Plan

- Includes actions, responsible party, partnerships and funding/financing options
- Site design guidelines
- Public-private partnership framework and value proposition



Questions

THANK YOU!

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Investigation of the Efficacy of Commercial Vehicle Safety, and Size and Weight Regulation and Enforcement in Nevada

FAC Update Meeting, August 7, 2018

Agenda

- Study Overview/Tasks
- Draft Internal NDOT Size & Weight Process Diagram
- Q & A

Study Overview/Tasks

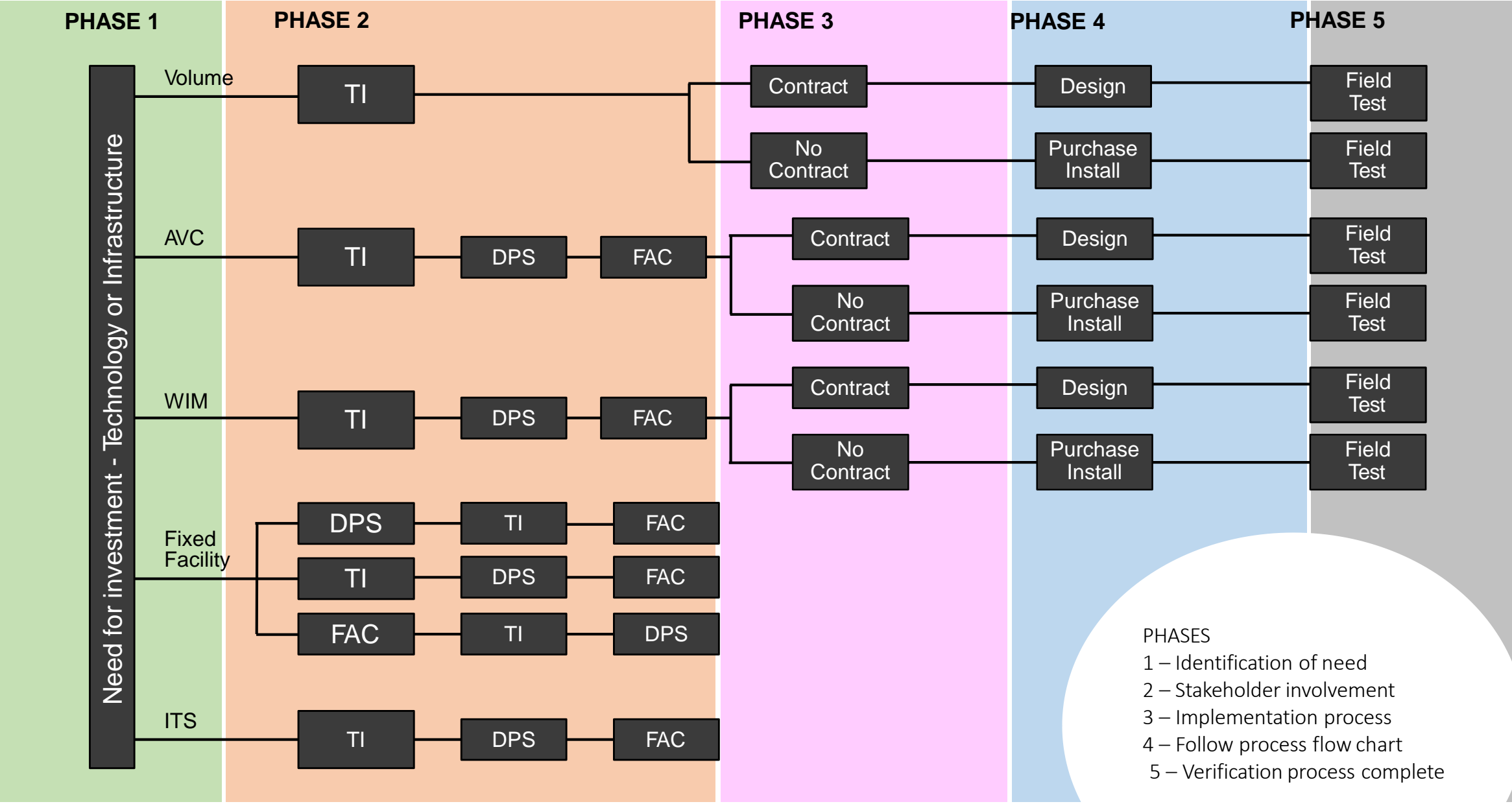
- Brief history of monitoring and enforcement
- Where are we?
- Where are we going?

Study Overview/Tasks

Task 1 – NDOT Size and Weight Infrastructure

What? Determine the process for getting infrastructure deployed.

How? Develop an exploratory interview protocol; interview across all departments and divisions within NDOT; compare/contrast interviews and compile results; develop a consensus process map for further investigation.



TI = Traffic Information
DPS = Department of Public Safety
FAC = Freight Advisory Committee
NTA = Nevada Trucking Association

Study Overview/Tasks

Task 2 – Size and Weight Enforcement

What? Determine the process for enforcing Nevada's Size and Weight regulations and policies.

How? Develop an exploratory interview protocol integrating Task 1 results; interview across all size and weight stakeholders; compare/contrast interviews and compile results; develop a consensus process map for further investigation.

Study Overview/Tasks

Task 3 – Develop Action Strategies (I-15 MM5)

What? Develop a consensus set of strategies that adapt and improve existing processes and map strategies to develop support for these changes.

How? Conduct a series of “deep dive” workshops to identify strategies for improvement and support as well as develop actions necessary to further enhance Nevada’s size and weight program.

• Task 2 and 3 Stakeholders

- NDOT Headquarters and Divisions
- NDOT Districts
- Department of Public Safety
- Department of Motor Vehicles
- Department of Agriculture
- Freight Advisory Committee
- Nevada Trucking Association
- Association of General Contractors
- Washoe and Clark County



QUESTIONS?

Thank you

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Hazardous Commodity Flow Study



August 7, 2018

presented to
Nevada Freight Advisory Committee

presented by
David Willauer, Cambridge Systematics, Inc.



Project Objectives

Provide a comprehensive analysis of where, and by what routes and modes, hazardous commodities are being transported in Nevada.

This study will aid local, regional, state and federal response authorities to understand the volumes and nature of hazardous materials movement in the state. The information will enable relevant agencies to analyze, plan and respond to potential risks associated with hazardous materials being transported in Nevada.

Outreach

- State Emergency Response Commission
- Freight Advisory Committee
- Interviews
 - » Industry, Railroads, Pipelines
 - » DEP, State Fire Marshal
 - » MPOs, LEPCs, TERC, Frontier Counties



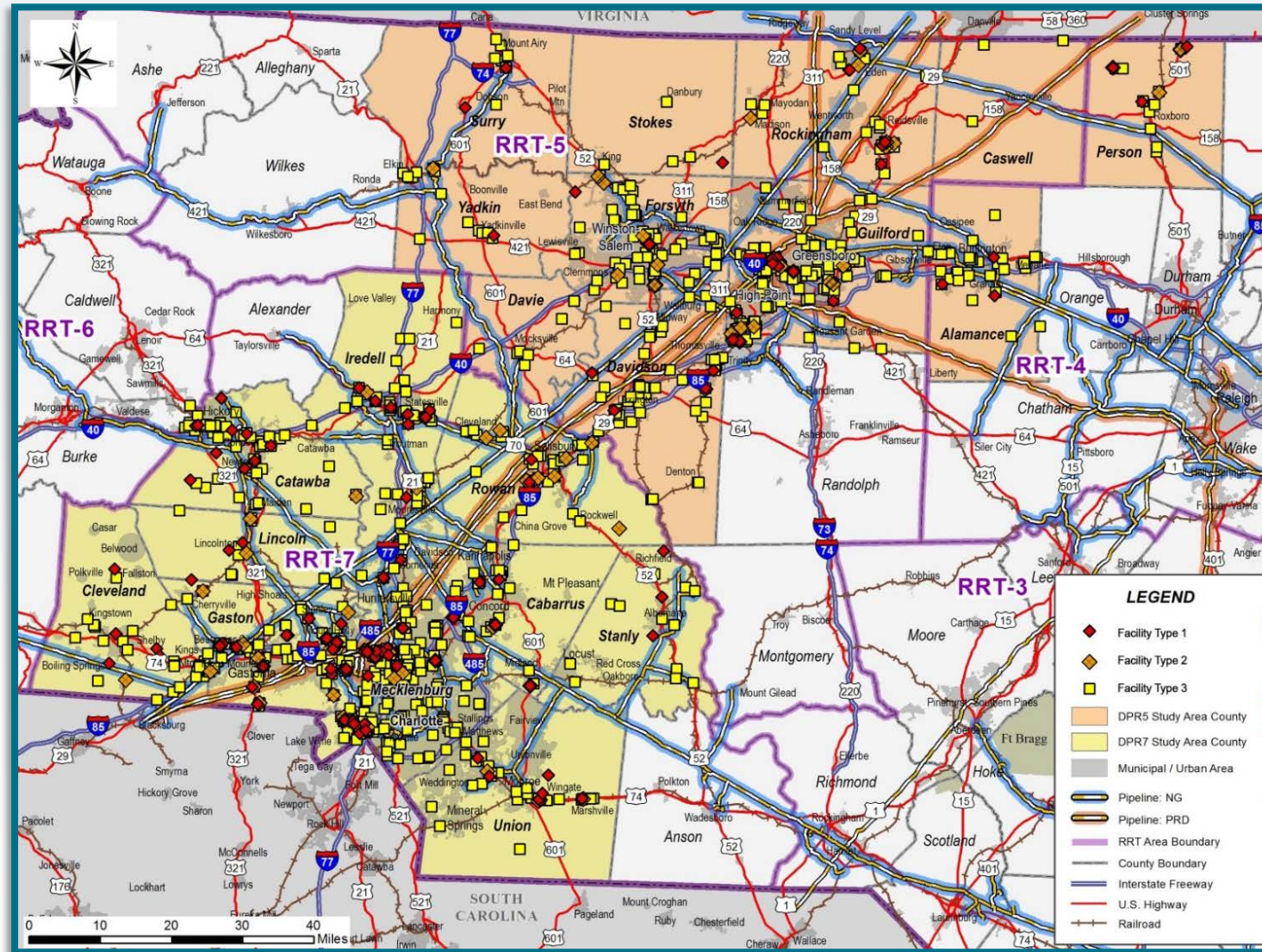
Data Collection *Details*

Data Collection Details

- Literature Review
- Nevada Statewide Hazmat Database
- Hazmat Facility Data (Federal, State)
- Railroad, Pipeline, Airline Data
- Roadside Placard Surveys



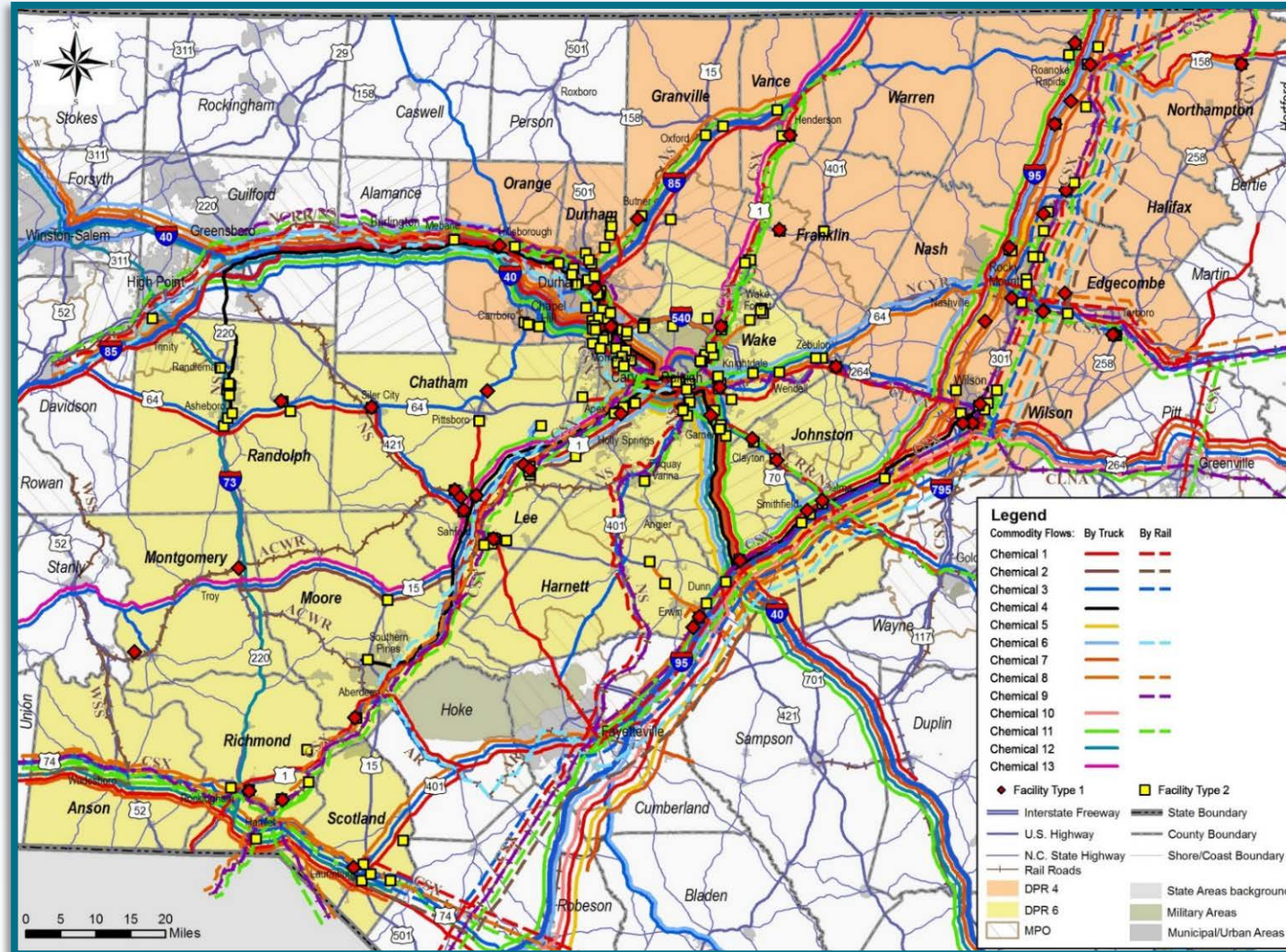
Sample Hazmat Facilities



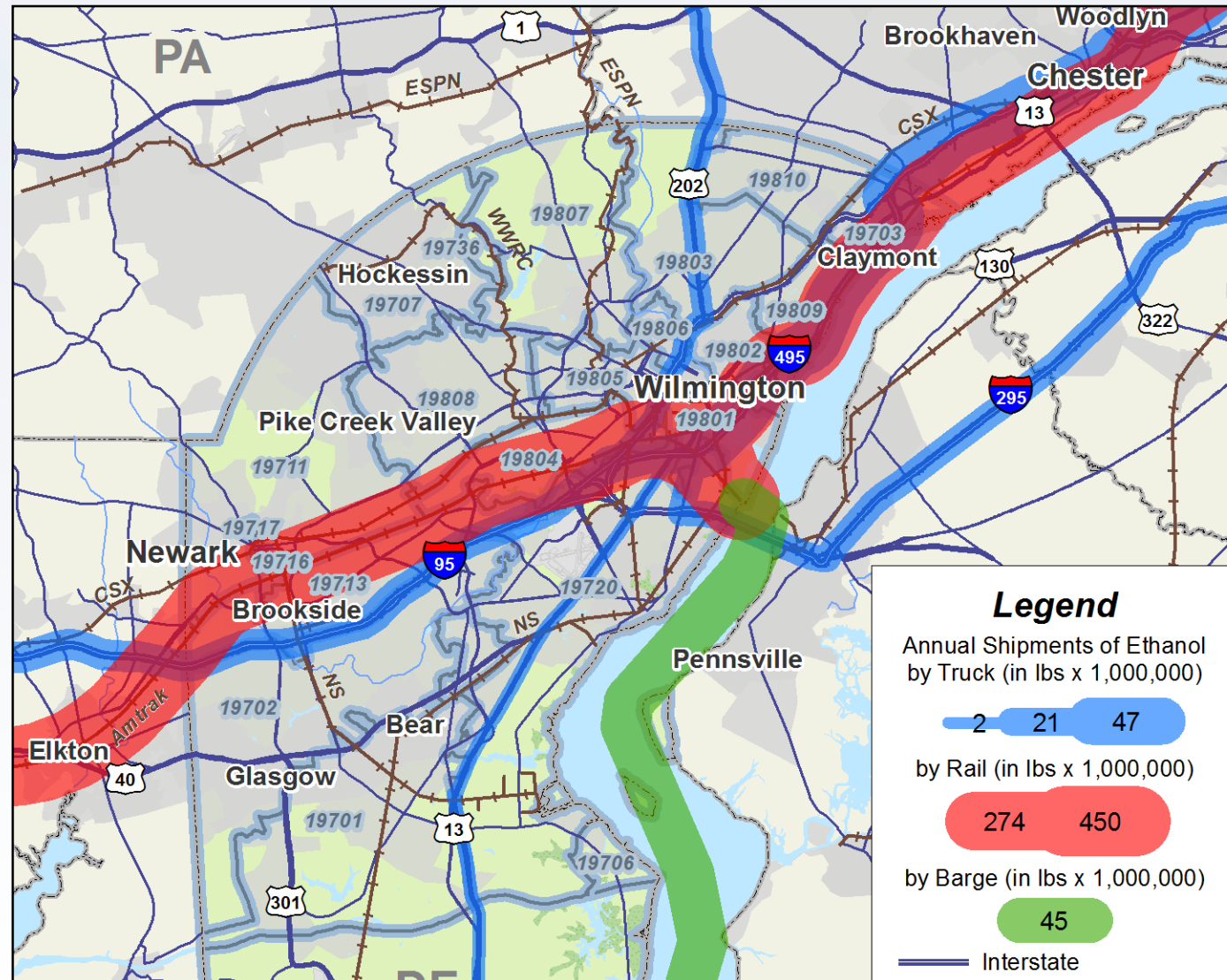
Sample Priority Chemicals

Rank	Chemical Name	Uses	EHS
1	Chlorine	Water treatment	Yes
2	Hydrogen Fluoride	Chemical catalyst	Yes
3	Ammonia	Refrigerant, fertilizer	Yes
4	Sulfur Dioxide	Water treatment	Yes
5	Ethylene Oxide	Disinfectant and production of plastic, antifreeze, and surfactants	Yes
6	Formaldehyde	Preservative, for plastics	Yes
7	Toluene Diisocyanate	Curing agent in plastics and coatings	Yes
8	Hydrogen Chloride	Production of acid and chemical reagent	Yes
9	Butane	Gasoline blending and a fuel gas	No
10	Vinyl Acetate Monomer (VAM)	Production of latex and other plastics and adhesives	Yes

Sample Composite Map



Sample Hazmat Flows by Mode



Impact from Neighboring States

- California: Six LEPCs
- Petroleum supply chain from CA
- Imports and Exports
- Freight Connections



Analyses and Deliverables

Hazmat Analysis

- Hazmat facility identification
- Chemical selection process
- Hazmat routing analysis
- Petroleum supply chain analysis

Map Development

- Statewide hazmat facilities map
- 10 maps depicting priority hazmat flows
- Composite map of chemical flows
- Statewide map: nine hazmat classes
- Regional maps for each NDOT District
- 2 Urban area maps—Las Vegas, Reno/Sparks Regions

Questions

THANK YOU!

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Meeting Wrap-up



Open Discussion

- Participants may introduce additional freight-related topics or questions, however, discussion will be limited to a few minutes per topic, and may be tabled for a future meeting.
- Next Meetings
 - » Quarterly on the 3rd Tuesday, 9:00 – 11:00 am
 - » November 6, 2018
 - » February 5, 2019
 - » May 7, 2019



THANK YOU!

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